

IN THE CLAIMS

1. (currently amended) A femoral prosthesis comprising a stem for insertion in a femoral canal and a neck portion extending medially from a proximal stem portion and having a tapered trunion with a prosthetic femoral head, and a proximal sleeve having an outer circumferential surface and comprising at least two proximal sleeve components, each of which provides parts of the circumferential outer surface of the sleeve, and means for clamping the proximal sleeve components together in position on the proximal end of the stem, at least one portion of the proximal sleeve extending medially having a medially-laterally extending surface forming an arcuate trough which is open in the proximal direction for receiving a distal side of the neck portion.

2. (original) The femoral prosthesis as set forth in claim 1 wherein two proximal sleeve components are provided which are located respectively on the medial and lateral sides of the stem.

3. (original) The femoral prosthesis as set forth in claim 2 wherein a lateral sleeve component is provided which also extends to the medial side of the stem and a medial sleeve component fastens to the lateral sleeve component to provide a clamp around the stem.

4. (original) The femoral prosthesis as set forth in claim 3 wherein the lateral sleeve component includes a bore to surround the stem.

5. (original) The femoral prosthesis as set forth in claim 4 wherein the bore is tapered to engage a cooperating taper on the stem.

6. (original) The femoral prosthesis as set forth in claim 2 wherein a medial sleeve component is provided which also extends to the lateral side of the stem and a lateral sleeve component fastens to the medial sleeve component to provide a clamp thereon.

7. (original) The femoral prosthesis as set forth in claim 6 in which the medial sleeve component includes a bore to surround the stem.

8. (original) The femoral prosthesis as set forth in claim 7 wherein the bore is tapered to engage a cooperating taper on the stem.

Claims 9 and 10 (cancelled)

11. (original) The femoral prosthesis as set forth in claim 1 further comprising a means for separately attaching the shoulder and/or neck portion to the stem.

12. (original) The femoral prosthesis as set forth in claim 1 wherein said at least two sleeve components includes one or more sleeve components each of which is of the same interior shape but which has an alternatively shaped part-circumferential outer surface.

13. (original) The femoral prosthesis as set forth in claim 1 further including means for attaching the shoulder and neck portion of the stem to the stem before or after the stem has been inserted into the bone canal.

14. (original) The femoral prosthesis as set forth in claim 13 wherein the attachable neck is located on a tapered portion on the proximal end of the stem.

15. (original) The femoral prosthesis as set forth in claim 14 wherein the attachable neck is held in position on the tapered portion of the stem by a screw or clip.

16. (original) The femoral prosthesis as set forth in claim 1 wherein the neck portion is provided with means to attach a ball head.

17. (original) The femoral prosthesis as set forth in claim 1 wherein a ball-shaped head is integral with the neck portion.

18. (original) The femoral prosthesis as set forth in claim 1 wherein the means for securing the proximal sleeve portions include screws which engage the stem, or engage another proximal sleeve portion to allow said sleeve portions to be pulled together in tight engagement.

19. (original) The femoral prosthesis as set forth in claim 1 wherein the proximal sleeve portions are arranged to clip onto the stem.

Claims 20-23 (cancelled).

24. (currently amended) A kit for implanting a femoral prosthesis comprising:

a trial prosthesis including a trial stem for insertion into a femoral canal, a trial neck portion for coupling to and extending medially from the trial stem including

a trunion with a prosthetic femoral head and at least two proximal sleeve portions, each having an outer circumferential surface, said at least two trial proximal sleeve components each providing part of the circumferential outer surface of a trial circumferential sleeve and screws for securing the trial proximal sleeve by clamping the components around the stem in position at the proximal end of the trial stem, one proximal sleeve portion having an arcuate medially-laterally extending surface open in the proximal direction for receiving the neck;
and

a plurality of prosthetic femoral components.

25. (original) The kit as set forth in claim 24 further including neck portions separately attachable to a stem portion of each femoral component wherein the trial prosthesis includes a similar attachable trial stem portion to allow a femoral prosthesis to be constructed which is identical with the trial prosthesis.

26. (original) The kit as set forth in claim 24 wherein the trial stems for insertion in a femoral canal and the trial shoulder and neck portions are dimensioned and shaped to receive the proximal sleeve portions of the femoral prosthesis, and said screws detachably secure them in place at the proximal end of the trial stem.

27. (original) The kit as set forth in claim 26 wherein a separate and attachable neck portion is provided on the trial prosthesis.

28. (currently amended) A femoral component for implantation in the medullary canal of the femur comprising:

a stem having a proximal portion with a circumferential outer surface and a medially extending neck portion including a trunion with a prosthetic head;

at least two sleeve portions mounted on the proximal stem portion and surrounding at least part of said circumferential outer surface, each said sleeve portions having an outer surface for placement adjacent an inner surface of the medullary canal and an inner surface for placement adjacent the stem outer surface at least one of the ~~trial proximal sleeve portion~~~~selements~~ having a medially-laterally extending arcuate surface forming a trough on a proximal surface for receiving a distal surface of the neck portion the trough being open in a proximally facing direction; and

engageable clamping elements on each of said at least two sleeve portions for clamping the sleeve portions to the proximal stem portion.

29. (previously presented) The femoral component as set forth in claim 28 wherein two proximal sleeve components are provided which are located respectively on the medial and lateral sides of the stem.

30. (previously presented) The femoral component as set forth in claim 29 wherein one of the two sleeve portions includes a threaded bore and the sleeve portions are clamped around the proximal stem portion with screws.